



Energy Section Green & Healthy Schools Assessment

Reducing energy use, encouraging energy-saving behavior, and purchasing energy efficient appliances saves natural resources and can save your school some money. Regular maintenance of heating, ventilation and air conditioning systems will improve performance and may prevent a minor repair cost from becoming a major expense. It also helps maintain indoor air quality and reduce allergy and asthma triggers. This section will help you identify current energy management practices in your school and start you thinking about ways to modify these practices to make your school greener and healthier.

Sc	hool Name:		Date:
Со	enducted By:	_	
S C	hool Population	_	
50	Students: Staff: Total:	- - -	
Α.	Classroom Audit Have each classroom complete th	ne Classroom Ener	rgy Audit on page 5.
B. 1.	General Information When was the original school build ☐ Prior to 1950 ☐ Between 1950 and 1975	ding built?	☐ Between 1975 and 1990 ☐ After 1990
2.	Have any additions been added to ☐ Yes ☐ No	the original school	ol building?
	If so, what additions were added a	and when?	
3.	What changes have been made s New windows New carpeting/flooring Remodeling of rooms Heating Ventilation and Air Conditioning (HVAC) New roof Other	since the school w	vas built and when?
4.	How old is your heating, ventilation	n and air condition	ning (HVAC) equipment?

	een Schools ergy Sectio	s Assessme n	nt				
5.	Does your school follow a schedule for servicing HVAC equipment? ☐ Yes ☐ No						
6.	How often are furnace and ventilation filters cleaned or replaced?						
7.	Contact your electricity provider and ask them what are the primary sources of energy for your school. Coal%						
8.	What facilities other than the school building use electricity on school grounds? Athletic Fields Press Box Storage Sheds						
9.	How much did your school pay for energy last year? Propane/Natural Gas/Oil Electricity Other						
C . 1.	 Building Information What material is the exterior of the building made of? Brick Concrete Other 2. Windows[A driver and 1 rider is not considered a carpool; a driver with more than 1 rider is considered a carpool.] 						
	Side of Building	# Windows	# Cracked/ Broken	# Windows that leak air/water	# Single Paned/ # Double Paned	# Windows that can be opened	# Windows with coverings (blinds, curtains, etc)
	North						. ,
	South East						
	West						
4.	☐ Ye	s 🗌 No		the walls and	-		
	ii SO, Wilat	. type(s) or ii	isulation does	s your building	nave?		
5.		iool has cen s	tral air conditi	ioning, is the ou	utside unit in direc	t sunlight durin	g most of the day?
6.		placed close s	ely around the	building to pro	vide shade during	g sunny days?	
7.	Are trees		e north and w	vest sides of the	e school to provid	e a wind break	?

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D. 1.	Temperature How is the temperature in your building controlled? ☐ Whole school is set at same temperature ☐ Individual Thermostats for each room or group of rooms						
2.	Who sets the thermostats? Individual teacher controls the thermostat Thermostat is set by administration/maintenance staff						
2.	Does your school use programmable thermostats? ☐ Yes ☐ No						
3.	Does your school (or school district) have standards or guidelines for thermostat temperature settings?						
	If yes, what are the thermostat temperature settings for the following? Heating Season Occupied Unoccupied Unoccupied Unoccupied Unoccupied						
	Lighting What type of ligh	itina is used ins	side the school? [For a description	on and nicture of var	ious lighting types go	
••					ww.eia.doe.gov/emeu		
	Rooms	Compact Fluorescent Light bulbs	Incandescent Light bulbs	Fluorescent Light bulbs	High Intensity Discharge (HID) Light bulbs	Other (Please specify)	
ľ							
	Classrooms						
	Classrooms Office						
	Office						
	Office Restrooms						
	Office Restrooms Cafeteria						
	Office Restrooms Cafeteria Auditorium						
	Office Restrooms Cafeteria Auditorium Gym						
2.	Office Restrooms Cafeteria Auditorium Gym Locker Rooms	ting is used ou Compact Fluorescent	tside the school?	Fluorescent Light bulbs	High Intensity Discharge (HID)	Other (Please specify)	
2.	Office Restrooms Cafeteria Auditorium Gym Locker Rooms Hallways What kind of ligh	Compact	Incandescent	Fluorescent			
2.	Office Restrooms Cafeteria Auditorium Gym Locker Rooms Hallways What kind of ligh Area Stadium	Compact Fluorescent	Incandescent	Fluorescent	Discharge (HID)		
2.	Office Restrooms Cafeteria Auditorium Gym Locker Rooms Hallways What kind of ligh Area Stadium Concessions	Compact Fluorescent	Incandescent	Fluorescent	Discharge (HID)		
2.	Office Restrooms Cafeteria Auditorium Gym Locker Rooms Hallways What kind of ligh Area Stadium Concessions Parking Lots	Compact Fluorescent	Incandescent	Fluorescent	Discharge (HID)		
2.	Office Restrooms Cafeteria Auditorium Gym Locker Rooms Hallways What kind of ligh Area Stadium Concessions	Compact Fluorescent	Incandescent	Fluorescent	Discharge (HID)		

4.	* Photosensors automatically		otion and/or photo sensors? If so, what type and where? y turn lights on/off depending on the amount of natural light in the room. lly turn lights on/off based on movement in the room.				
	Rooms		Sensors- [Type: Motion/Photo/Both/None*]				
	Classrooms						
	Office						
	Restrooms						
	Cafeteria						
	Auditorium						
	Gym						
	Locker Rooms						
	Hallways						
	Outdoors						
5	le netural lighting	or okylia	hting us	od oo on alternative to	artificial lighting? If a	o whore?	
5.	Rooms	Natural	nung us	ed as an alternative to a Primarily natural	Natural and artific		
	Rooms	Lighting	Only	lighting with artificial lighting as needed	lighting both use		
	Classrooms			-			
	Office						
	Restrooms						
	Cafeteria						
	Auditorium						
	Gym						
	Locker Rooms						
	Hallways						
F. Appliances/Machines 1. Which energy-using appliances does your school have? Copiers Printers Computers/Monitors Refrigerators Refrigerator							
2. Which of these appliances/machines are turned off every night? Computer/Monitor Printer Fax Machine Copiers Other							
3.	3. Are the coils on your school's refrigerators and coolers clean?☐ Yes ☐ No						
	Curriculum and C Does your schoo grade levels are	l include	energy a	as part of the curriculum	n? If so, which subje	ects or courses and at what	
2.	Has your school : ☐ Yes ☐ N		ntly part	icipated in any staff dev	velopment programs	s?	
3.	Where is the clos	est powe	er plant t	o your school located?			
4.	Has your school/		er taken :	a tour?			

Classroom Energy Assessment

	mplete this assessment sessment.	for each classroom and	d use thes	e to help the sch	ool complete the	school-wide
Cla	assroom No	т	eacher			
Gra	ade		Date of Audit			
Αv	erage number of stude	ents and staff using th	ie room e	ach day:(stud	/ lents/staff)	
A.	Survey- number of Appliances	items in your classroo	om	Lighting		
	Item	Quantity (No.)		Type of	Quantity (No.)	Average
	Computers (CPU)	quantity (1101)		Bulbs	Committee (1101)	Wattage
	Monitors			Compact		
	Printers			Fluorescent		
	Televisions			Fluorescent		
	VCRs/DVD			Incandescent		
	Fans			modridoccom		
	Projectors Other					
	height in following loca	a thermostat, what temp	perature is	the thermostat s		erature at waist
	Temperature in mid Temperature four f					
C.	Energy Saving Practic	es				
1.	Are any of the survey it ones?	tems listed in part A tur	ned on in	the morning and	left on all day? If s	so, which
2.	Are computer monitors ☐ Yes ☐ No	turned off after use?				
3.	Are your classroom con "sleep" when not in use \[\sum \text{Yes} \sum \text{No} \]		a sleep fu	nction or sleep n	node software that	: allows them to

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4.	Are lights turned off when the room is not in use? Yes Sometimes No
5.	Are classroom lights controlled by motion and/or photo sensors? If so, what type? * Photosensors automatically turn lights on/off depending on the amount of natural light in the room. *Motionsensors automatically turn lights on/off based on movement in the room.
6.	Are all light bulbs on when class is in use or can lighting be adjusted to take advantage of natural light when available?

1. What recommendations can you suggest to conserve energy in your classroom?